

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

 ATTY. DOCKET NO.  
**50229-207**

 SERIAL NO.  
**09/748,133**

 APPLICANT  
**Russell MUMPER, et al.**

 FILING DATE  
**December 27, 2000**

GROUP

(PTO-1449)



## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Aspden, T.J., Adler, J., Davis, S.S., Skaugrud, O., Illum, L. Chitosan as a nasal delivery system: evaluation of the effect of chitosan on mucociliary clearance rate in the frog palate model. *Int. J. Pharm.* 122:69-78, 1995.

Bayley, D., Temple, C., Clay, V., Steward, A., Lowther, N. The transmucosal absorption of recombinant human interferon-alpha B/D hybrid in the rat and rabbit. *J. Pharm. Pharmacol.* 47:721-724, 1995.

Berthold, A., Cremer, K., Kreuter, J. Preparation and characterization of chitosan microspheres as drug carriers for prednisolone sodium phosphate as a model for anti-inflammatory drugs. *J. Cont. Rel.* 39:17-25, 1996.

Bhatt, L.D., Johnston, T.P. In vitro release and permeation of oxytocin from a mucoadhesive buccal patch. *Pharm. Dev. Technol.* 1:357-364, 1996.

Bhatt, L.C., Johnston, T.P. Transmucosal delivery of oxytocin to rabbits using a mucoadhesive buccal patch. *Pharm. Dev. Technol.* 2:265-274, 1997.

Bodde, H.E., de Vries, M.E., Junginger, H.E. Mucoadhesive polymers for the buccal delivery of peptides, structure-adhesiveness relationships. *J. Cont. Rel.* 13:225-231, 1990.

Duchene, D., Touchard, F., Peppas, N.A. Pharmaceutical and medical aspects of bioadhesive systems for drug administration. *Drug Devol. Ind. Pharm.* 14:283-318, 1988.

Goto, S., Kawata, M., Suzuki, T., Kim, N.S., Ito, C. Preparation and evaluation of Eudragit gels. I: Eudragit organogels containing drugs as rectal sustained-release preparations. *J Pharm Sci.* 80:958-961, 1991.


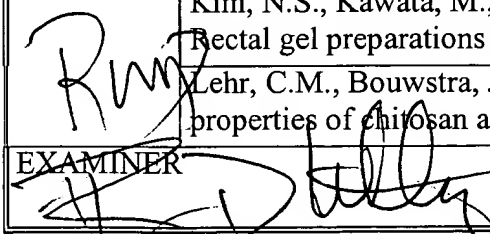
Hardy, E., Jimenez, A.L., de Padue, K.S., Zaneveld, L.J. Women's preferences for vaginal antimicrobial contraceptives. III. Choice of a formulation, applicator, and packaging. *Contraception.* 58:245-249, 1998a.

Hardy, E., de Padu, K.S., Osis, M.J., Jimenez, A.L., Zaneveld, L.J. Women's preferences for vaginal antimicrobial contraceptives. IV. Attributes of a formulation that would protect from STD/AIDS. *Contraception.* 58:251-255, 1998b.

EXAMINER

DATE CONSIDERED

4/24/02

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>				ATTY. DOCKET NO. <b>50229-207</b>		SERIAL NO. <b>09/748,133</b>	
				APPLICANT <b>Russell MUMPER, et al.</b>			
				FILING DATE <b>December 27, 2000</b>		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
Harris, D., Robinson, J.R. Bioadhesive polymers in peptide and drug delivery. <i>Biomaterials</i> , 11:652-558, 1990.							
Henriksen, I., Vagen, S.R., Sande, S.A., Smistad, G., Karlsen, J. Interactions between liposomes and chitosan II: effect of selected parameters on aggregation and leakage. <i>Int. J. Pharm.</i> 146:193-204, 1997.							
Illum, L., Farraj, N.F., Davis, S.S. Chitosan as a novel nasal delivery system for peptide drugs. <i>Pharm. Res.</i> 11:1186-1189, 1994.							
Imai, T., Shiraishi, S., Saito, H., Otagiri, M. Interaction of indomethacin with low molecular weight chitosan, and improvements of some pharmaceutical properties of indomethacin by low molecular weight chitosans. <i>Int. J. Pharm.</i> 67:11-20, 1991.							
Kawata, M., Suzuki, T., Kim, N.S., Ito, T., Kurita, A., Miyagoe, Y., Goto, S. Preparation and evaluation of Eudragit gels. II: In vitro release of salicylic acid, sodium salicylate, and ketoprofen from Eudragit L and S organogels. <i>J Pharm Sci.</i> 80:1072-1074, 1991.							
Khan, M.Z., Prebeg, Z., Kurjakovic, N. A pH-dependent colon targeted oral drug delivery system using methacrylic acid copolymers. I. Manipulation of drug release using Eudragit L100-55 and Eudragit S100 combinations. <i>J Controlled Release.</i> 58:215-22, 1999.							
Kim, N.S., Umejima, H., Ito, T., Uchida, T., Goto, S. Preparation and evaluation of Eudragit gels. V. Rectal gel preparations for sustained release and avoidance of first-pass metabolism of lidocaine. <i>Chem Pharm Bull.</i> 40:2800-2804, 1992a.							
Kim, N.S., Ito, T., Kawata, M., Uchida, T., Goto, S. Preparation and evaluation of Eudragit gels. IV: Rectal gel preparations for sustained release and avoidance of first-pass metabolism of propentofylline. <i>J Pharm Sci.</i> 81:904-907, 1992b.							
Kim, N.S., Kawata, M., Uchida, T., Goto, S. Preparation and evaluation of Eudragit gels. III: Rectal gel preparations for sustained release of pentoxifylline. <i>J Pharm Sci.</i> 81:537-40, 1992.							
Lehr, C.M., Bouwstra, J.A., Schacht, E., Junginger, H.E. In vitro evaluation of mucoadhesive properties of chitosan and some other natural polymers. <i>Int. J. Pharm.</i> 78:43-48, 1992.							
EXAMINER: 				DATE CONSIDERED: <b>4/24/02</b>			

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

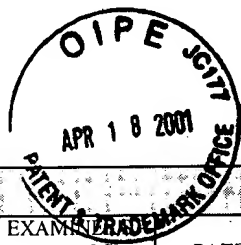
 ATTY. DOCKET NO.  
**50229-207**

 SERIAL NO.  
**09/748,133**

 APPLICANT  
**Russell MUMPER, et al.**

 FILING DATE  
**December 27, 2000**

GROUP



(PTO-1449)

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Rmj	MacLaughlin, F.C, Mumper, R.J., Wang, J., Tagliaferri, J.M., and Rolland, A.P. Chitosan and depolymerized chitosan oligomers as condensing carriers for in-vivo plasmid delivery. <i>J. Controlled Rel.</i> 56:259-272, 1998.
	Meshali, M.M., Gabr, K.E. Effect of interpolymer complex formation of chitosan with pectin or acacia on the release behavior of chlorpromazine HCl. <i>Int. J. Pharm.</i> 89:177-181, 1993.
	Sayani, A.P., Chun, I.K., Chien, Y.W. Transmucosal delivery of leucine enkephalin: stabilization in rabbit enzyme extracts and enhancement of permeation through mucosae. <i>J. Pharm. Sci.</i> 82:1179-1185, 1993.
	Schipper, N.G.M., Varum, K.M., Artursson, P. Chitosans as absorption enhancers for poorly absorbable drugs. I: influence of molecular weight and degree of acetylation on drug transport across human intestinal epithelial (Caco-2) cells. <i>Pharm. Res.</i> 13:1686-1692, 1996.
	Scott, R.C., Besag, F.M.C., Neville, B.G.R. Buccal midazolam and rectal diazepam for treatment of prolonged seizures in childhood and adolescence: a randomized trial. <i>The Lancet.</i> 353:623-626, 1999.
	Shiraishi, S., Imai, T., Otagiri, M. Controlled release of indomethacin by chitosan-polyelectrolyte complex: optimization and in vivo/in vitro evaluation. <i>J. Cont. Rel.</i> 25:217-225, 1993.
	Takayama, K., Hirata, M., Machida, Y., Masada, T., Sannan, T., Nagai, T. Effect of interpolymer complex formation on bioadhesive property and drug release phenomenon of compressed tablet consisting of chitosan and sodium hyaluronate. <i>Chem. Pharm. Bull.</i> , 38:1993-1997, 1990.x
	Takeuchi, H., Yamamoto, H., Niwa, T., Hino, T., Kawashima, Y. Enteral absorption of insulin in rats from mucoadhesive chitosan-coated liposomes. <i>Pharm. Res.</i> 13:896-901, 1996.
Rmj	Umejima, H., Kim, N.S., Ito, T., Uchida, T., Goto, S. Preparation and evaluation of Eudragit gels. VI: In vivo evaluation of Eudragit rectal hydrogel and xerogel containing salicylamide. <i>J Pharm Sci.</i> 82:195-9, 1993.
	Wong, C.F., Yuen, K.H., Peh, K.K. Formulation and evaluation of controlled release Eudragit buccal patches. <i>Int. J. Pharmaceutics.</i> 178:11-22, 1999.

EXAMINER

DATE CONSIDERED